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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/824,493	04/02/2001	Timothy G. Curray	SPL-32	9371

7590 05/16/2005

INTELLECTUAL PROPERTY LAW DEPARTMENT
SQUARE D COMPANY
1415 SOUTH ROSELLE ROAD
PALATINE,, IL 60067-7399

EXAMINER	
JACOBS, LASHONDA T	

ART UNIT	PAPER NUMBER
2157	

DATE MAILED: 05/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/824,493	CURRAY ET AL.	
	Examiner	Art Unit	
	LaShonda T. Jacobs	2157	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *February 22, 2005*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☐ Claim(s) _____ is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-41* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Response to Amendment

This Office Action is in response to Applicants' Amendment/Request for Reconsideration filed on February 22, 2005. Claims 1-41 are presented for further examination.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claims **1-41** are rejected under 35 U.S.C. 103(a) as being unpatentable over Rosner et al (hereinafter, "Rosner", US Pat. No. 6,298,376) in view of Blackett et al (hereinafter, "Blackett', U.S. Pat. No. 6,792,337).

As per claim **1**, Rosner discloses an Ethernet communications system for a power monitoring system, said Ethernet communications system comprising an Ethernet communication device operative in association with a power monitoring device, said Ethernet communications device including:

- a processor capable of functioning as a master device (col. 2, lines 45-53 and col. 3, lines 27-40); and
- a communications interface capable of gathering, under control of said processor real-time information from one or more slave devices (col. 1, lines 60-61, col. 2, lines 45-53 and col. 3, lines 21-26).

However, Rosner does not explicitly disclose:

- said processor and said communications interface further being operative for presenting said real-time information in a format useable by Hypertext Markup Language HTML pages.

Blackett discloses a method and system for master slave protocol communication in an intelligent electronic device including:

- said processor and said communications interface further being operative for presenting said real-time information in a format useable by Hypertext Markup Language HTML pages (col. 15, lines 14-24 and col. 16, lines 10-15).

Given the teaching of Blackett, it would have been obvious to one of ordinary skill in the art to modify Rosner by including a web server and allowing a user/client to connect to the server to view and access control data/information in HTML on a real time basis in a timely and efficient manner.

As per claim **9**, Rosner discloses an industrial power metering system comprising:

- a power monitoring device (abstract and col. 2, lines 45-53);
- gathering real-time information from said power monitoring device (col. 1, lines 60-61, col. 2, lines 45-53 and col. 3, lines 21-26);
- dynamically gathering, formatting and verifying real-time information from the power monitoring device (col. 1, lines 60-61, col. 2, lines 45-53 and col. 3, lines 21-26).

However, Rosner does not explicitly disclose:

- an Ethernet communications device operatively coupled with said power monitoring device;

- said Ethernet communications device including a processor and a communications interface; and
- a web server capable of communicating through said communications interface.

Blackett discloses a method and system for master slave protocol communication in an intelligent electronic device including:

- an Ethernet communications device operatively coupled with said power monitoring device (col. 8, lines 7-22);
- said Ethernet communications device including a processor and a communications interface (col. 8, lines 7-22); and
- a web server capable of communicating through said communications interface (col. 15, lines 14-24).

Given the teaching of Blackett, it would have been obvious to one of ordinary skill in the art to modify Rosner by including a web server and Ethernet communication device to allow a user/client to connect to the server to in order to communicate with each other in a timely and efficient manner.

As per claims **17** and **31**, Rosner discloses an Ethernet communications method for a power monitoring system, said method comprising:

- gathering real-time information from said power monitoring device (col. 1, lines 60-61, col. 2, lines 45-53 and col. 3, lines 21-26).

However, Rosner does not explicitly disclose:

- presenting said real-time information in a format useable by Hypertext Markup Language pages.

Blackett discloses a method and system for master slave protocol communication in an intelligent electronic device including:

- presenting said real-time information in a format useable by Hypertext Markup Language pages (col. 15, lines 14-24 and col. 16, lines 10-15).

Given the teaching of Blackett, it would have been obvious to one of ordinary skill in the art to modify Rosner by including a web server and allowing a user/client to connect to the server to view and access control data/information in HTML on a real time basis in a timely and efficient manner.

As per claim **24**, Rosner discloses an industrial power metering method comprising.

- monitoring power (col. 1, lines 60-61, col. 2, lines 45-53 and col. 3, lines 21-26); and
- gathering real-time information from said power monitoring (col. 1, lines 60-61, col. 2, lines 45-53 and col. 3, lines 21-26);.

However, Rosner does not explicitly disclose:

- dynamically gathering, formatting, verifying and communicating real-time information from the power monitoring device in a format usable by HTML pages.

Blackett discloses a method and system for master slave protocol communication in an intelligent electronic device including:

- dynamically gathering, formatting, verifying and communicating real-time information from the power monitoring device in a format usable by HTML pages (col. 15, lines 14-24 and col. 16, lines 10-15).

Given the teaching of Blackett, it would have been obvious to one of ordinary skill in the art to modify Rosner by including a web server and allowing a user/client to connect to the server to

view and access control data/information in HTML on a real time basis in a timely and efficient manner.

As per claim **38**, Rosner discloses an Ethernet communications card apparatus for a power monitoring device, said Ethernet communications card comprising;

- a processor capable of functioning as a master device (col. 2, lines 45-53 and col. 3, lines 27-40);
- a communications interface capable of gathering, under control of said processor real-time information from one or more slave devices (col. 1, lines 60-61, col. 2, lines 45-53 and col. 3, lines 21-26).

However, Rosner does not explicitly disclose:

- said processor and said communications interface being operative for presenting said real-time information in a format useable by Hypertext Markup Language (HTML) pages.

Blackett discloses a method and system for master slave protocol communication in an intelligent electronic device including:

- said processor and said communications interface being operative for presenting said real-time information in a format useable by Hypertext Markup Language (HTML) pages (col. 15, lines 14-24 and col. 16, lines 10-15).

Given the teaching of Blackett, it would have been obvious to one of ordinary skill in the art to modify Rosner by including a web server and allowing a user/client to connect to the server to view and access control data/information in HTML on a real time basis in a timely and efficient manner.

As per claims **2**, **10**, **18**, **25** and **32**, Rosner discloses wherein said processor is further capable of:

- functioning as a slave device (col. 2, lines 45-53).

As per claims **3**, **11**, **19**, **26** and **33**, Rosner discloses:

- wherein said processor and said slave device are coupled, by said communications interface, in a daisy chain and wherein said Ethernet communications device is capable of using any of a plurality of protocols for either full duplex or half duplex communications, including SyMax, Modbus and Jbus (col. 2, lines 45-53 and col. 3, lines 4-13).

As per claims **4**, **12**, **20**, **27** and **34**, Rosner discloses the invention substantially as claims discussed above.

However, Rosner does not explicitly disclose:

- a server coupled with said communications interface, said server operating for sending data to a browser for dynamically formatting and verifying real-time data gathered by said processors and communications interfaces using JavaScript and VB script.

Blackett discloses a method and system for master slave protocol communication in an intelligent electronic device including:

- a server coupled with said communications interface, said server operating for sending data to a browser for dynamically formatting and verifying real-time data gathered by said processors and communications interfaces using JavaScript and VB script (col. 15, lines 14-24 and col. 16, lines 10-15).

Given the teaching of Blackett, it would have been obvious to one of ordinary skill in the art to modify Rosner by including a web server and allowing a user/client to connect to the server to view and access control data/information in HTML on a real time basis in a timely and efficient manner.

As per claims **5**, **21**, **28** and **35**, Rosner discloses the invention substantially as claims discussed above.

However, Rosner does not explicitly disclose:

- a server operatively coupled with said communications interface, and further including a web browser capable of accessing said server and at least one processor in communication with said server, said web browser generating a login, and said processor responding to said login by generating an access token for said browser for permitting access by said browser for a predetermined amount of time.

Blackett discloses a method and system for master slave protocol communication in an intelligent electronic device including:

- a server operatively coupled with said communications interface, and further including a web browser capable of accessing said server and at least one processor in communication with said server, said web browser generating a login, and said processor responding to said login by generating an access token for said browser for permitting access by said browser for a predetermined amount of time (col. 15, lines 41-47).

Given the teaching of Blackett, it would have been obvious to one of ordinary skill in the art to modify Rosner by allowing a user/client access the monitoring device in order to provide security to the overall system.

As per claims **6**, **14**, **22**, **29**, **36** and **39**, Rosner discloses the invention substantially as claims discussed above.

However, Rosner does not discloses:

- a single physical interface chip capable of supporting dual physical Ethernet media types.

Blackett discloses a method and system for master slave protocol communication in an intelligent electronic device including:

- a single physical interface chip capable of supporting dual physical Ethernet media types (col. 8, lines 7-22).

Given the teaching of Papadopoulos, it would have been obvious to one of ordinary skill in the art to modify Rosner by including Ethernet communication chips to transmit and receive messages in a timely and efficient manner.

As per claims 7, **15**, **23**, **30**, **37** and **40**, Rosner discloses the invention substantially as claims discussed above.

However, Rosner does not explicitly disclose:

- a fast Ethernet transceiver which provides a media independent interface for attachment to a 10/100 media access controller, and is capable of directly driving an N45 interface through magnetics and termination resistors and also provides a pseudo-ECL interface for use with l00Base Fx fast fiber transceivers.

Blackett discloses a method and system for master slave protocol communication in an intelligent electronic device including:

- a fast Ethernet transceiver which provides a media independent interface for attachment to a 10/100 media access controller, and is capable of directly driving an N45 interface through magnetics and termination resistors and also provides a pseudo-ECL interface for use with l00Base Fx fast fiber transceivers (col. 8, lines 7-22).

Given the teaching of Blackett, it would have been obvious to one of ordinary skill in the art to modify Rosner by including Ethernet communication chips to transmit and receive messages in a timely and efficient manner.

As per claims **8**, **16** and **41**, Rosner discloses the invention substantially as claims discussed above.

However, Rosner does not explicitly disclose:

- wherein said processor includes a Hypertext Transfer Protocol (HTTP) server for facilitating communications with an internet browser.

Blackett discloses a method and system for master slave protocol communication in an intelligent electronic device including:

- wherein said processor includes a Hypertext Transfer Protocol (HTTP) server for facilitating communications with an internet browse (col. 15, lines 14-24 and col. 16, lines 10-15).

Given the teaching of Blackett, it would have been obvious to one of ordinary skill in the art to modify Rosner by including a web server and allowing a user/client to connect to the server to

view and access control data/information in HTML on a real time basis in a timely and efficient manner.

Response to Arguments

3. Applicant's arguments with respect to claims 1-41 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Pat. No. 6,671,635 to Forth et al

U.S. Pat. No. 6,553,418 to Collins et al

U.S. Pat. No. 6,301,527 to Butland et al

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LaShonda T. Jacobs whose telephone number is 571-272-4004. The examiner can normally be reached on 8:30 A.M.-5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LaShonda T Jacobs
Examiner
Art Unit 2157

ltj
May 9, 2005

SALEH NAJJAR
PRIMARY EXAMINER